

Arrowe Park Emergency Department Monthly Bulletin: October 2010 to September 2011

This bulletin provides a breakdown of a total of 35,173 injury attendances at Arrowe Park Hospital Emergency Department (ED) between October 2010 and September 2011. Injury attendances peaked in July 2011 (n=3,251), with December 2010 and January 2011 (n=2,565 for both) having the least number of injury attendances (**Figure 1**).

For all months there were more male injury attendances than female presenting at Arrowe Park ED (54%). **Figure 2** presents the age group of injury attendances. Across the whole year, injury attendances were highest for individuals aged 30-59 years (29%).

Table 1 details the injury group of injury attendances. Falls were the most prevalent cause of injury, accounting for over four in ten (44%) attendances. Just over one in ten (13%) injury attendances were recorded as other injury and 11% of injury attendances were as a result of the attendee having been struck.

Table 2 illustrates the source of referral for patients presenting with injuries. The majority (94%) of injury attendees self-referred.

Table 3 presents injury attendances by location of incident. Over four in ten (43%) injuries were recorded as having occurred in a public place, while three in ten (30%) incidents were recorded as having occurred in the home.

Table 4 shows the discharge method of injury attendances. The majority (51%) of attendees were discharged without requiring any follow-up, whilst just over one in ten (13%) attendees were admitted.

Assault attendees presenting at Arrowe Park ED between October 2010 and September 2011 were

mainly male (68%) and over half (53%) aged between 15 and 29 years. Almost four in ten (37%) assaults were recorded as occurring in a public place and almost two in ten (17%) were recorded as occurring on a street/road or in the home (**Table 5**). **Table 6** gives the geographical location of assault incidents. Over a quarter of assault incidents (27%) were reported to have occurred in Birkenhead town centre. The majority (57%) of assault victims reported being attacked by one attacker (**Table 7**).

Figure 3 gives detail on whether or not the attendee had consumed alcohol within the three hours prior to the incident. The majority of injury attendees (81%) had not consumed alcohol; however for assault attendees, numbers were almost equal with 49% of attendees reporting that they had not consumed alcohol and 46% reporting that they had.

Table 8 presents details of the injury group for the age groups of 0-4 years and 60 years plus. The majority of injuries in both age groups were reported as falls (0-4 years = 56%; 60 plus years = 75%). **Table 9** presents a breakdown of specific injury location for falls attendees within these age groups. Almost three in ten (28%) 0-4 year olds were reported as falling in a public place, whilst almost a quarter (24%) were reported as falling in a home living/dining room. For the 60 years plus age group, falls were reported as most prevalent in a public place (39%) and almost two in ten (17%) falls were reported to have occurred in the home bedroom.

Figure 1: Gender of injury attendances by month, October 2010 to September 2011¹

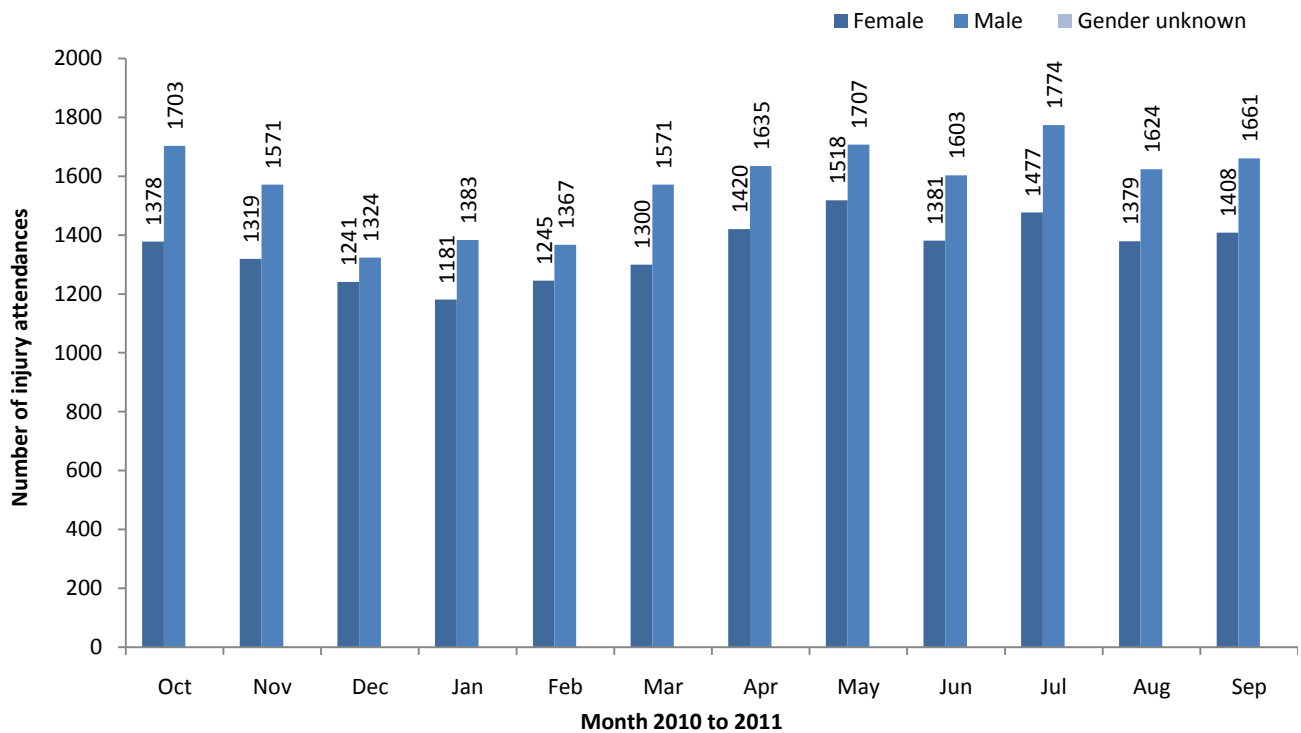
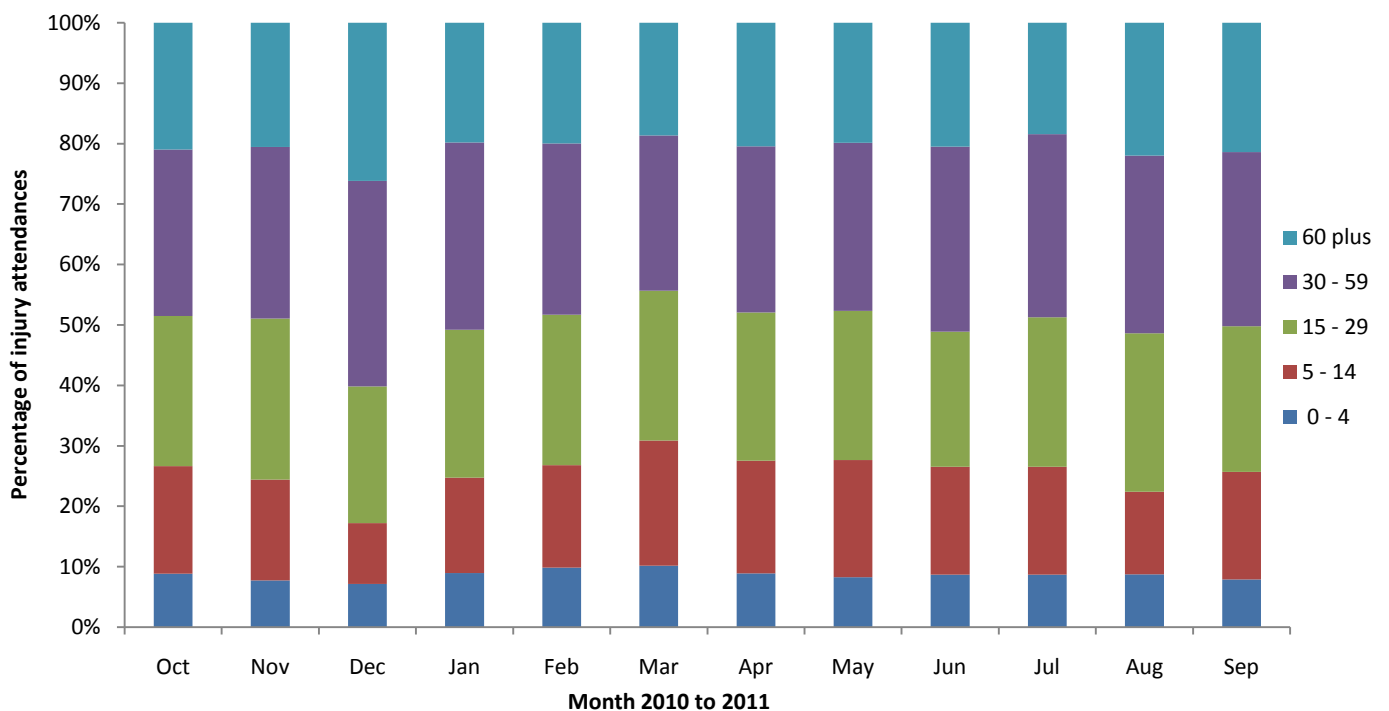


Figure 2: Age group of injury attendances by month, October 2010 to September 2011



¹ Please note that values for January 2011 include one case where gender was not recorded.

Table 1: Injury attendances by injury group, October 2010 to September 2011^{2,3}

Injury group	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Fall	1293	1182	1414	1048	1103	1196	1394	1408	1326	1446	1333	1335	15478	44
Other injury	369	340	293	388	355	348	313	402	408	468	407	433	4524	13
Struck	356	339	187	275	275	321	391	385	327	342	305	305	3808	11
Sports injury	319	324	88	256	254	339	251	240	224	234	211	333	3073	9
Road traffic collision	243	297	225	194	200	232	206	253	230	233	221	208	2742	8
Wound or cut	208	176	128	161	179	167	241	232	190	243	250	191	2366	7
Assault	142	94	118	134	129	150	136	154	137	142	142	106	1584	5
Deliberate self-harm	46	53	43	51	46	47	53	74	59	54	52	73	651	2
Burn/scald	44	42	31	21	29	41	24	25	25	26	28	31	367	1
Bite	33	26	21	11	22	16	24	36	35	41	30	33	328	1
Ingestion	23	12	13	20	10	10	18	11	9	15	17	13	171	0
Inhalation	***	<7	***	***	<8	***	***	***	<14	<8	<8	<6	61	0
Non fire burn/scald	***	***	***	***	***	***	***	***	***	***	***	***	20	0
Total	3081	2892	2565	2565	2612	2871	3055	3225	2984	3251	3003	3069	35173	100

Table 2: Injury attendances by source of referral, October 2010 to September 2011*

Source of referral	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Self referral	2871	2730	2365	2423	2452	2721	2887	3049	2815	3066	2770	2921	33070	94
Emergency services	102	74	121	68	87	80	77	81	63	93	134	65	1045	3
Other	59	40	31	33	42	41	59	68	67	59	58	51	608	2
Police	21	13	23	15	8	15	11	11	10	7	14	10	158	0
GP	8	8	7	8	9	7	9	7	16	14	15	13	121	0
Health care provider	10	15	13	12	11	***	8	<6	8	8	7	<6	104	0
Educational establishment	6	9	***	6	***	***	***	***	***	***	***	***	51	0
Work	***	***	***	***	***	***	***	***	***	***	***	***	13	0
Community dental service	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Local authority	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Walk in centre	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	3081	2892	2565	2565	2612	2871	3055	3225	2984	3251	3003	3069	35173	100

*GP = General Practitioner

Table 3: Injury attendances by location of incident, October 2010 to September 2011

Incident location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Public place	1244	1137	1255	989	1094	1153	1311	1441	1325	1509	1458	1375	15291	43
Home	874	843	751	813	817	814	957	970	864	958	925	908	10494	30
Other	542	505	385	427	255	434	422	450	418	450	418	355	5061	14
Educational establishment	172	177	<75	184	186	239	110	154	176	126	***	174	1774	5
Sport	147	135	37	96	123	168	154	120	106	103	92	165	1446	4
Workplace	94	90	57	55	86	57	93	82	86	94	94	85	973	3
Road traffic collision	***	***	6	***	48	***	***	***	***	***	***	***	63	0
Sea/waterway	5	***	***	***	***	***	***	***	5	8	9	***	41	0
Unknown	***	***	***	***	***	***	***	6	***	***	***	***	30	0
Total	3081	2892	2565	2565	2612	2871	3055	3225	2984	3251	3003	3069	35173	100

² Please note that in all tables all numbers less than five have been suppressed in line with patient confidentiality and if there is only one number in a category then two numbers will be suppressed at the next level (e.g. <6) in order to prevent back calculations from totals.

³ Please note that for all tables, percentages may not add up to 100 due to rounding.

Table 4: Injury attendances by discharge method, October 2010 to September 2011

Discharge method	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Discharged - no follow-up	1610	1534	1168	1255	1405	1534	1619	1659	1540	1638	1518	1570	18050	51
Admitted	382	338	391	338	305	359	374	430	395	402	365	407	4486	13
Discharged - fracture clinic	336	317	362	305	279	333	410	353	326	376	346	355	4098	12
Discharged - GP follow-up	228	229	249	269	197	160	206	247	255	232	253	221	2746	8
Discharged - other	121	133	107	102	86	100	107	118	126	142	117	133	1392	4
Left dept before assessment	89	84	75	60	57	79	93	103	79	135	66	70	990	3
Discharged - GP nurse	81	47	40	45	53	56	73	85	80	115	113	68	856	2
Discharged - adult ED clinic	60	55	44	52	57	70	57	69	62	62	75	66	729	2
Discharged - paediatric ED	52	39	13	28	48	55	23	42	33	28	33	49	443	1
Discharged - ear, nose and throat	32	19	12	32	29	21	22	30	21	27	30	28	303	1
Discharged - maxillary/facial	9	20	10	16	21	21	18	20	16	29	28	27	235	1
Left dept	9	13	25	19	14	18	21	24	19	20	16	18	216	1
Transferred to other healthcare provider	15	13	16	13	13	13	14	19	10	17	15	20	178	1
Admitted to ED assess ward	38	35	29	13	20	21	***	***	***	***	***	***	156	0
Discharged - walk-in centre	11	13	15	8	10	14	9	12	10	15	12	20	149	0
Discharged - physiotherapy	<7	***	9	10	17	14	8	13	10	10	15	16	131	0
Died in department	***	***	***	***	***	***	***	***	***	***	***	***	13	0
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Dead on arrival	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred- other	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Referred to fracture clinic	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	3081	2892	2565	2565	2612	2871	3055	3225	2984	3251	3003	3069	35173	100

Table 5: Assault attendances by location of assault, October 2010 to September 2011

Assault location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Public space	40	33	45	54	44	48	44	65	52	50	60	52	587	37
Street/road	33	18	18	21	24	27	23	29	28	25	16	14	276	17
Home	30	15	20	21	24	30	26	20	20	27	24	16	273	17
Public house	10	5	5	8	9	8	7	7	<6	9	8	***	83	5
Other	5	***	11	***	5	***	7	14	6	11	6	5	80	5
Public park	7	***	6	9	8	6	7	6	11	6	7	***	79	5
Night club	9	5	5	***	***	8	5	5	6	***	5	8	66	4
Workplace	***	***	***	***	5	7	5	***	***	***	9	***	49	3
School	***	6	***	5	***	7	***	***	***	***	***	***	28	2
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Railway station	***	***	***	***	***	***	***	***	***	***	***	***	9	1
Car park	***	***	***	***	***	***	***	***	***	***	***	***	8	1
Details withheld by patient	***	***	***	***	***	***	***	***	***	***	***	***	8	1
Leisure facility	***	***	***	***	***	***	***	***	***	***	***	***	8	1
On public transport	***	***	***	***	***	***	***	***	***	***	***	***	8	1
Shops	***	***	***	***	***	***	***	***	***	***	***	***	<10	1
Hospital	***	***	***	***	***	***	***	***	***	***	***	***	***	0
Total	142	94	118	134	129	150	136	154	137	142	142	106	1584	100

Table 6: Assault attendances by geographical location of assault, October 2010 to September 2011

Geographical assault location	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
Birkenhead town centre	33	24	32	28	33	48	41	50	35	31	41	35	431	27
Wallasey-Seacombe	17	11	17	28	17	19	16	19	18	8	15	10	195	12
Bidston-Prenton-Oxton	12	8	17	16	12	14	14	10	20	14	11	11	159	10
New Ferry-Rock Ferry	8	8	5	6	9	6	7	11	12	13	10	8	103	7
Greasby-Upton-Arrowe Park	14	6	13	***	8	11	<7	7	7	10	7	7	100	6
Other	7	9	7	10	9	***	9	9	11	7	13	<6	100	6
Moreton-Leasowe	12	***	***	***	9	11	10	7	7	18	8	6	97	6
Liverpool City Centre	8	<5	8	11	***	12	9	7	8	8	7	7	95	6
Bromborough-Eastham	6	5	***	6	6	***	***	8	***	6	***	8	62	4
Bebington	14	***	***	6	8	***	***	***	***	5	7	***	56	4
New Brighton	***	***	***	***	***	6	7	7	6	***	5	***	52	3
Heswall-Pensby-Thingwall	***	***	***	***	***	6	***	***	***	***	8	***	39	2
Meols-Frankby-Hoylake	***	***	***	***	***	***	***	***	***	***	***	***	22	1
West Kirby	***	***	***	***	***	***	***	***	***	***	***	***	20	1
Neston-Parkgate	***	***	***	***	***	***	***	***	***	***	***	***	19	1
Unknown	***	***	***	***	***	***	***	***	***	***	***	***	13	1
Ellesmere Port/ Cheshire Oaks	***	***	***	***	***	***	***	***	***	***	***	***	11	1
Refused to answer	***	***	***	***	***	***	***	***	***	***	***	***	10	1
Total	142	94	118	134	129	150	136	154	137	142	142	106	1584	100

Table 7: Assault attendances by number of attackers, October 2010 to September 2011

Number of attackers	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total	%
1 attacker	82	50	61	66	64	81	70	98	73	91	91	77	904	57
More than 2	38	24	29	33	36	34	40	28	32	22	32	19	367	23
Unknown	13	10	13	21	15	13	17	15	15	15	<9	***	159	10
2 attackers	<10	10	15	14	14	22	9	13	17	14	11	<7	154	10
Total	142	94	118	134	129	150	136	154	137	142	142	106	1584	100

Figure 3: Injury and assault attendances by whether alcohol had been consumed within three hours prior to the incident, October 2010 to September 2011

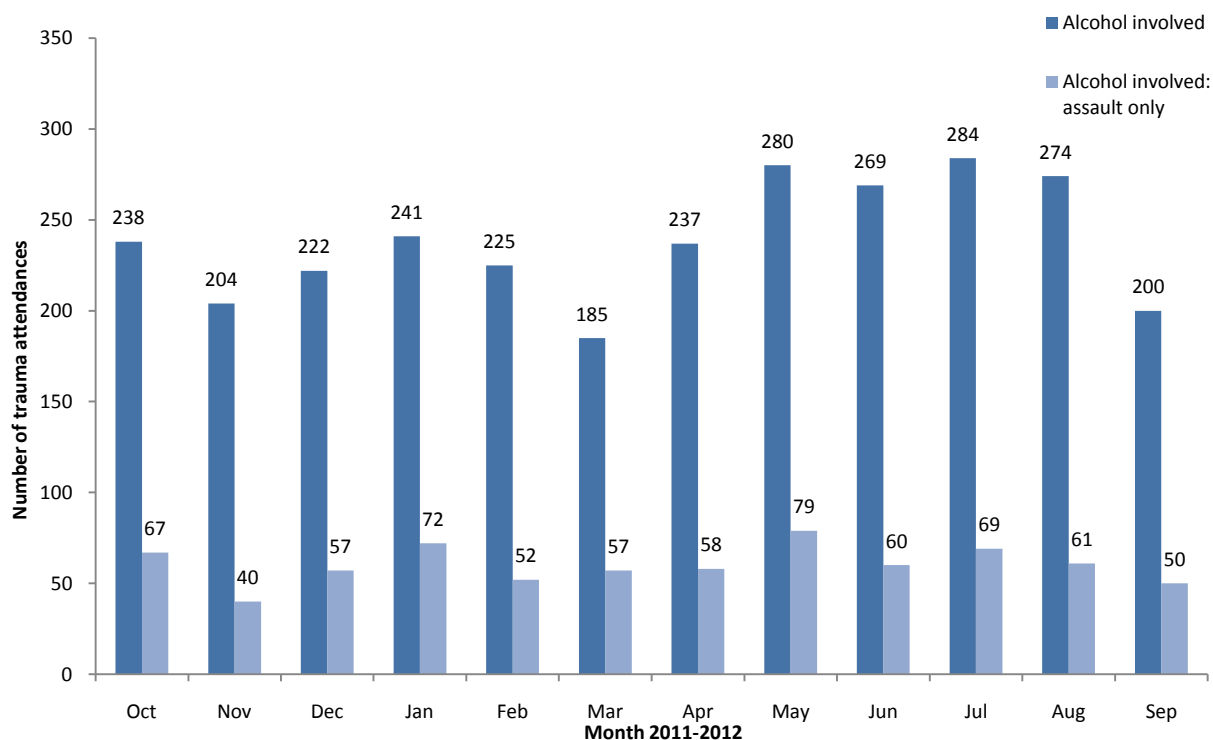


Table 8: Injury group of attendees aged 0-4 and 60 years plus only, October 2010 to September 2011

Injury group/age group	Aged 0-4 years		Aged 60 plus years	
	N	%	N	%
Assault	***	0	31	0
Bite	26	1	37	1
Burn	104	3	33	0
Drown/immersion	***	0	***	0
Deliberate self-harm	***	0	41	1
Electrical	***	0	***	0
Fall	1714	56	5442	75
Firearm	***	0	6	0
Firework	***	0	***	0
Glass	***	0	***	0
Ingestion	100	3	12	0
Inhalation	6	0	18	0
Non-drown asphyxia	***	0	***	0
Non fatal burn/scald	***	0	***	0
Other	447	15	628	9
Road traffic collision	102	3	274	4
Sports injury	8	0	32	0
Stab	***	0	***	0
Struck	348	11	326	4
Wound or cut	181	6	379	5
Total	3045	100	7268	100

Table 9: Injury location for falls attendees ages 0-4 and 60 plus years only, October 2010 to September 2011

Injury location	Aged 0-4 years		Aged 60 plus years	
	N	%	N	%
School classroom	41	2	***	0
School grounds/field	61	4	***	0
School other	14	1	***	0
Home bathroom	29	2	279	5
Home bedroom	170	10	935	17
Home garage/workshop	11	1	25	0
Home hall	50	3	196	4
Home living/dining room	403	24	837	15
Home stairs	160	9	260	5
Home other	22	1	210	4
Home unknown	8	0	21	0
Home garden	98	6	264	5
Home kitchen	77	4	177	3
Other	84	5	101	2
Public place	483	28	2110	39
Road traffic collision	***	0	***	0
Sea/waterway	***	0	8	0
Sport	***	0	***	0
Workplace	***	0	14	0
Total	1714	100	5442	100

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